

Delaware County Sustainability Commission

July 16, 2021



- *This meeting is being recorded and live-streamed.*
- *The recording and minutes will be posted to the Sustainability Commission website.*
- *You can participate in the live meeting by sending comments or questions to*
GoGreenDelco@co.delaware.pa.us

Agenda

- Welcome and Roll Call
- Approval of June Meeting Minutes
- Chief Sustainability Officer Update
- Guest Speaker: Rob Graff (DVRPC)
- Subcommittee Updates
 - Greening County Operations
 - Creating a Countywide Sustainability Plan
- Sustainability Planning Framework: Sharon Jaye
- Public Comment
- Adjourn



Public Comment: GoGreenDelco@co.delaware.pa.us

Approval of June Meeting Minutes



Public Comment: GoGreenDelco@co.delaware.pa.us

Sustainability Commission Charge

- Recommendations regarding best environmental and energy practices in the areas of buildings, facilities and operations; fuels, vehicles, and transportation food; responsible purchasing; housing; energy sources; air quality; stormwater management; natural and cultural resource protection, wildlife preservation; and climate change
- Identification of and assessment of environmental and energy policies the County has adopted and recommendations to promote and educate about the County's environmental and energy initiatives.
- Identification and recommendations regarding voluntary actions, projects, and programs for municipalities, businesses, non-profits, and other partners to implement County environmental and energy policies.
- Creation, review and ongoing input into a Delaware County Sustainability Action Plan.
- Recommendation of Triple Bottom Line-related actions, projects, and programs to Council for implementation.



Chief Sustainability Officer Update

Presenter: Francine Locke



Public Comment: GoGreenDelco@co.delaware.pa.us

C-PACE Program:

Property Assessed Clean Energy Program for Local County Businesses

- Delaware County has formally adopted the C-PACE Program - passed by Council on 3/17/2021
- **Public webinar: August 11, 2021, at 1:00 PM**
- Visit Delaware County's C-PACE website at: <https://www.pacpacecounties.org/county/delaware-county/>
- The registration will go live next week, approximately 3 weeks before the event.



Capital Improvement Program (CIP):

Creating an open and transparent practice for CIP planning

- On July 1, 2021, a draft FY-2022 CIP was submitted to a newly formed Capital Projects Committee per the Administrative Code.
 - This Committee has an advisory and review role in the development of the FY-2022 CIP. Will meet in the first week of August to review the proposed CIP. After the Committee completes its review, the proposed FY-2022 CIP will be submitted to Council.
- Project Prioritization:
 - Addresses an unsafe condition.
 - Addresses a non-compliance issue.
 - Protects an existing asset.
 - Advances a strategic goal.
 - **Advances the County's sustainability goals.**
 - Enhances community quality of life.
 - Leverages partnerships.
 - Project can be construction ready.
 - Provides economies if done with other efforts.



Facility Condition and Needs Assessment:

Creating a baseline for all County-owned properties to allow for equitable distribution of future project funding.

- KCBA is on target for an October 1st completion date.
- Once completed, KCBA will report their comprehensive FCNA findings to the Sustainability Commission.



Preserving the 1724 Chester Courthouse

- **Built in 1724 – This is the oldest continually used courthouse in the United States.**
- Delaware County will acquire building from the PA Historical and Museum Commission (PHMC).
- **Two agenda items were approved by Council at the June 16 Council Meeting:**
 - To enter into a Lease Agreement for the 1724 Chester Court House between Delaware County and the Pennsylvania Historical Museum Commission – with conditions at no cost to the county, 99 years.
 - To reallocate \$35,000 from the Delaware County Bar Association to the Delaware County Historical Society, raising the amount in the Historical Society line from \$50,000 to \$85,000.



Preserving the 1724 Chester Courthouse

- A facility condition assessment and cost estimate for repairs will be completed by the County's FCNA consultant.
- This study will provide the basics on what maintenance would need to be done immediately and in the longer range to keep the facility functioning.
- This will ensure that the PHMC provides adequate funding for repairs.



Southeastern Pennsylvania Regional Power Purchase Agreement (RPPA)

- DVRPC provided Delaware, Bucks, Montgomery, and Chester Counties a draft RFP and MOU to enter into an agreement with an energy consulting firm.
- Delaware County's Solicitor has reviewed, and comments were shared with DVRPC.
- Final comments are due back from other County solicitors on 7/16 (today).
- **Final MOU is expected on 7/23 to present at County Council's August meeting.**



PADEP's Local Climate Action Program (LCAP)

- Delaware County has been selected for Year 3 of the PA DEP's LCAP.
- By late July, the County will be matched with at least one student.
- The first training webinar will be scheduled in early August.



PJM Cities and Communities Coalition (PJMCCCC)

- PJM operates the regional wholesale electricity marketplace and ensures reliability of the electricity grid.
- Delaware County is considering joining the PJMCC with guidance from DVRPC and in collaboration with neighboring counties in RPPA Steering Committee.
- The PJMCCC is pursuing solutions to climate change, reducing carbon emissions, and removing barriers to decarbonization in the regional wholesale electricity market.
- Cities and communities within PJM's territory have partnered together to coordinate their efforts and build capacity among a wider set of cities to influence **return on investment policies**.



Delaware County Solid Waste Management Plan

- County Council approved to advertise an RFQ for professional services to develop a Solid Waste Management Plan.
- An RFP/Q has been drafted and is presently being reviewed.
- Goal is to advertise by end of August.



Solid Waste Management Plan - Goals

- Ensure that the County has sufficient processing and disposal capacity for its municipal waste for the next 10 years.
- Account for alternate sustainable methods of municipal waste processing or disposal through consultation with the County's Sustainability Commission and taking into consideration County sustainability goals.
- Ensure maximum feasible waste reduction of municipal waste or source-separated recyclable material.
- Assure the effectiveness of the County's recycling programs and investigate the feasibility of organics collection and composting methods for inclusion in the plan.
- Conserve resources and protect the public health, safety, and welfare from the short- and long-term dangers of transportation, processing, treatment, storage, and disposal of municipal waste.
- Engage with County stakeholders and provide extensive outreach to obtain feedback from all communities.



Streamlining County Operations

- Creating an open and transparent guide to County Operations – Facilities, Fleet Management, Public Works, Parks and Open Space, Conservation District, and Planning.
- Developing a baseline of each department's budget, contracts, staffing and key performance indicators. Once these parameters are set, procedures and policies will be developed for each department.
- Aligning with Sustainability Commission's goals for Greening County Operations.



Discussion



Check for Public Comment:

GoGreenDelco@co.delaware.pa.us

Rob Graff

Delaware Valley Regional Planning Commission (DVRPC)
Manager, Office of Energy and Climate Change Initiatives



Check for Public Comment:

GoGreenDelco@co.delaware.pa.us



COUNTY
Municipal

Outreach

Program

DVRPC Plans, Programs, and Resources

Delaware County Sustainability Commission

July 16, 2021

Robert Graff, Manager, Office of Energy and Climate Change Initiatives

Who is DVRPC?



- ▶ Federally-designated MPO for 9-county Philadelphia region in PA and NJ
- ▶ Created in 1965 to plan for the orderly growth and development of the bi-state region.
- ▶ Guided by an 18-member Board
- ▶ Conduct short, medium, and long-term plans provide funding for projects around transportation, land use, economic development, equity, open space, housing, etc.



Partner Resources

- ▶ Webmaps (areas of potential disadvantaged communities, vulnerable populations, essential services, travel monitoring data)
- ▶ Municipal navigator of U.S. Census data
- ▶ Municipal resources guide
- ▶ Funding opportunities
- ▶ Webinars for local governments (AICP CM Certified Provider)
- ▶ Membership organizations' resources
- ▶ COVID-19 resources

Connections 2045

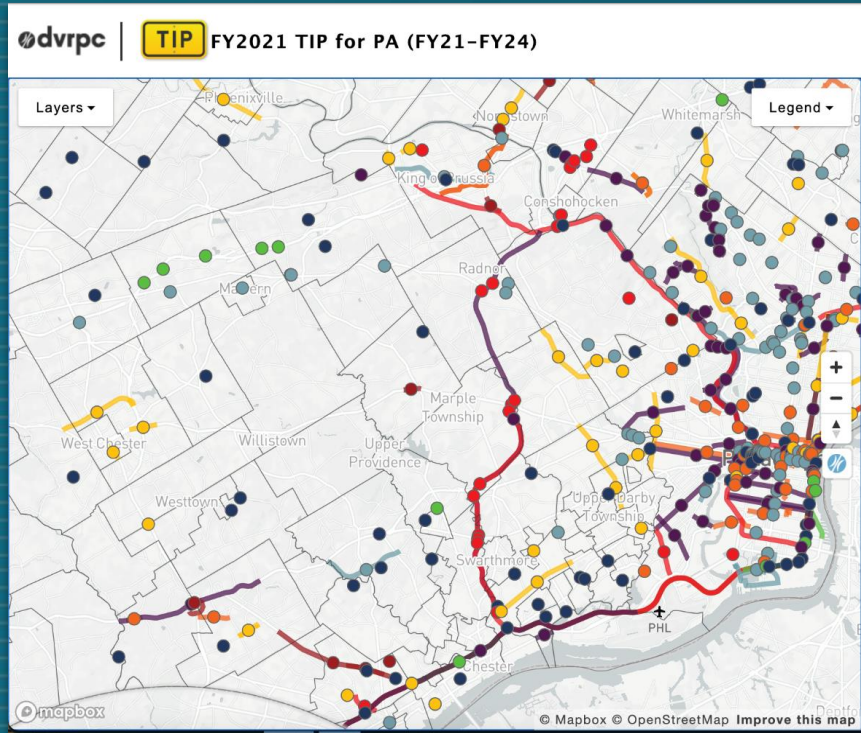


- ▶ Provides a vision of the region's future through 2045 based on 5 key principles
- ▶ Serves as blueprint for future transportation facilities & services
- ▶ Includes implementation strategies for each of the principles.



**Municipal Implementation
Toolbox**

Transportation Improvement Program (TIP)



- ▶ Maintained for New Jersey and Pennsylvania
- ▶ Includes a regional list of priority multimodal transportation state and federal projects
- ▶ Serves a 4-year period with estimated costs and schedules
- ▶ Required to receive and spend federal transportation dollars

PennDOT Connects



► Capital Projects (on TIP)

- Coordination with municipality and county before design
- Topics include bike/ped, safety, transit, stormwater, etc.

► Maintenance (Resurfacing)

- Program to identify, design, and implement priority bicycle improvements
- Design funded by regional TIP line item

Community & Economic Development



- ▶ Transportation & Community Development Initiative (TCDI)
- ▶ 2003, 2007, 2012, 2017
- ▶ \$236,000
- ▶ Growing Greater Philadelphia: CEDS
- ▶ Incentive Zones App



COVID-19 Impact on Retail Districts

Location Analytics

Upper Darby Data Dashboards

1. Comparing Timeframes

Pre-pandemic visits (January 1, 2019 - March 12, 2020) with visits during the pandemic (March 13, 2020 - April 15, 2021)

2. Comparing Geographies

Visits to Upper Darby and Lower Merion (Ardmore) during the pandemic.

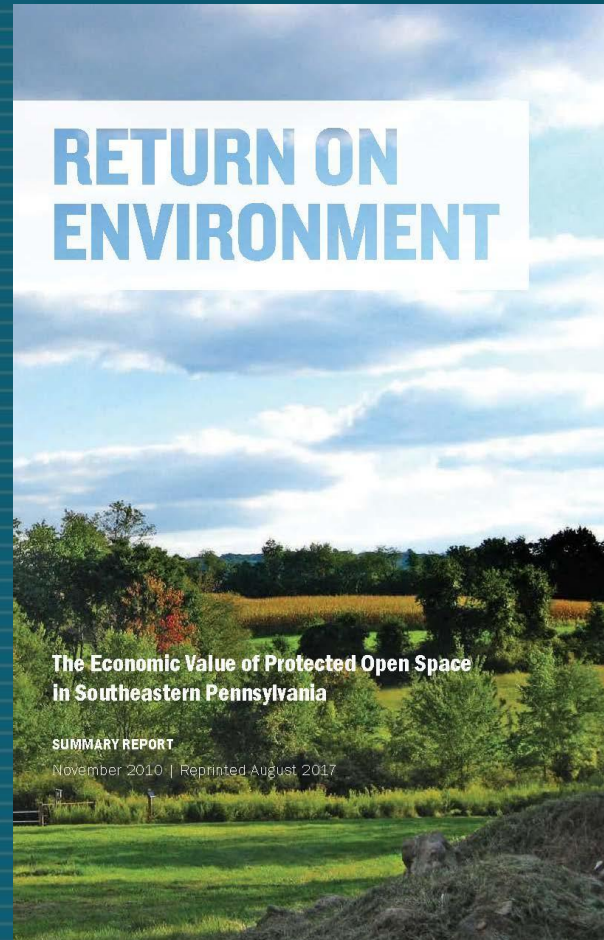
Regional Trails Program

- ▶ Direct Grants (e.g., Darby Creek Trail)
- ▶ Guidance and Advice
- ▶ Trail Use Counts and Data



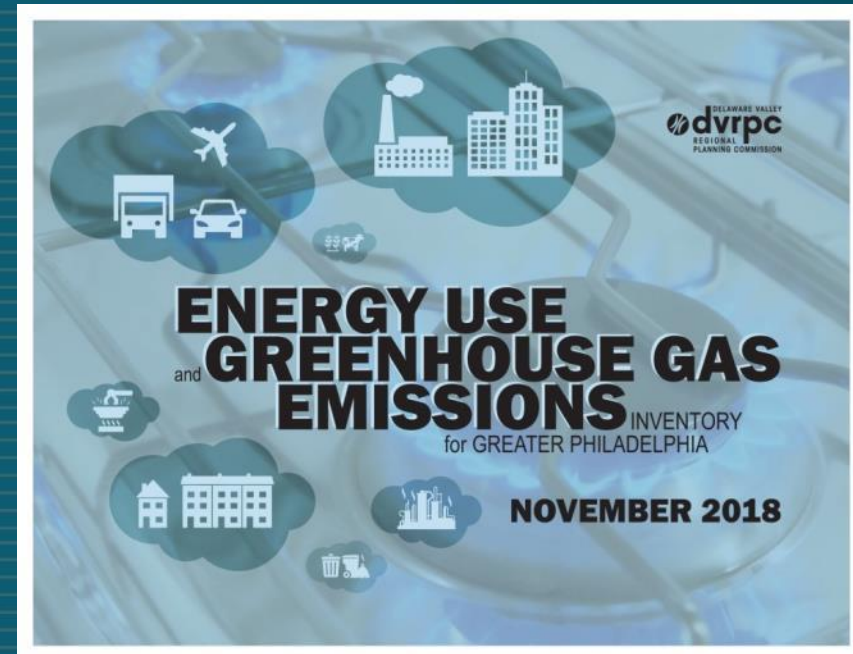
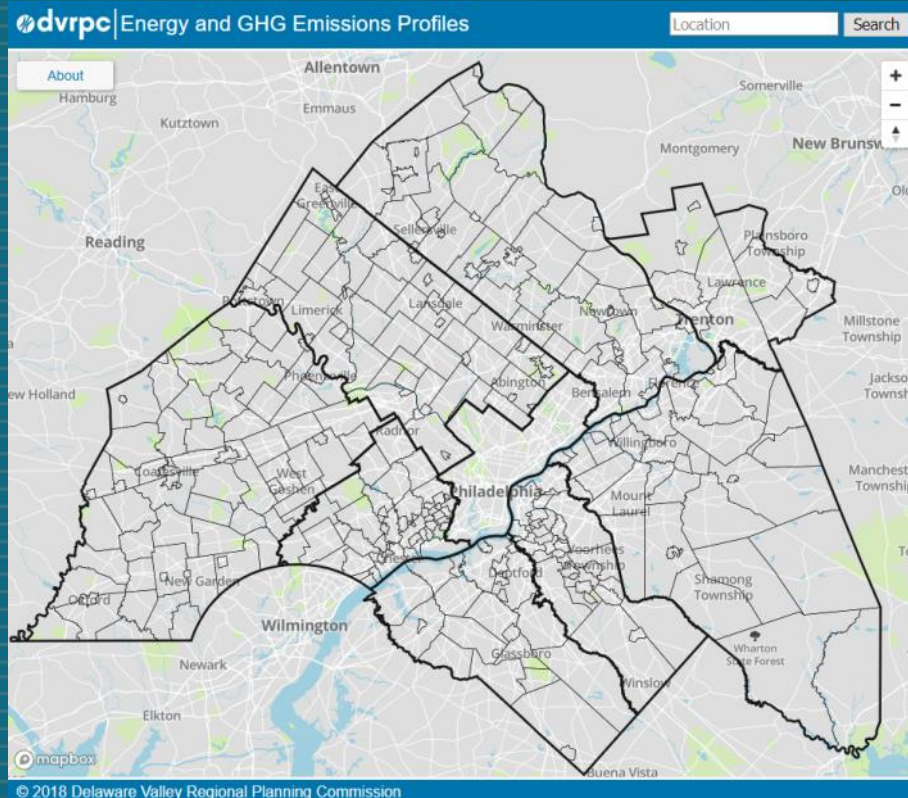
Return on Environment/Trails

- ▶ Updating the 2011 regional study for Delaware County
- ▶ Effort quantifies the economic values of protected open space
- ▶ Advisory Committee met 4/29/21
- ▶ Deliverables by 12/31/21

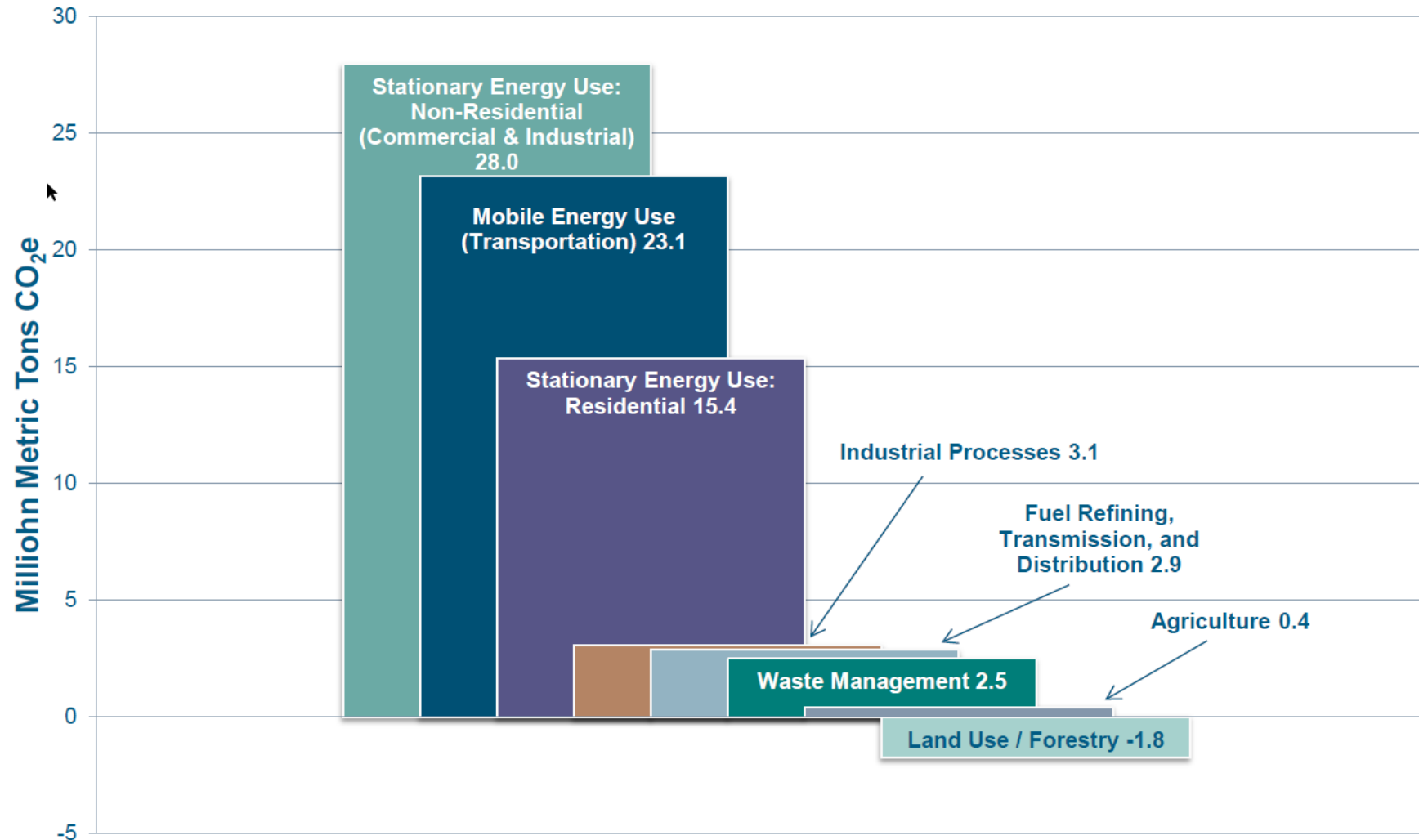


Energy Use & GHG Emissions Inventory

- ▶ Every 5 years since 2005
- ▶ Next inventory: By end of 2021
- ▶ Allocated to the municipal level



Energy Use & GHG Emissions Inventory



Source: DVRPC 2018

Four-Page Formatted Report

- Energy use, energy cost, GHG emissions
- Sectors: Residential, Commercial/Industrial, Mobile, Non-Energy sources



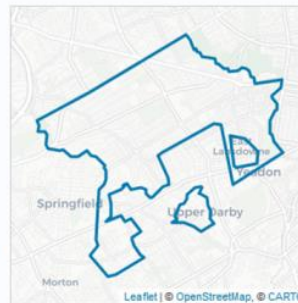
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For more information about this report or any other product of the Office of Energy and Climate Change Initiatives please contact Rob Graff (rgraff@dvrpc.org) at 215.238.2826 or visit www.dvrpc.org/EnergyClimate.

Energy and Emissions Profile for Upper Darby Township, Delaware County, PA

Introduction

In 2018, the Delaware Valley Regional Planning Commission completed a regional energy use and greenhouse gas emissions inventory for the nine-county DVRPC region. As part of this inventory, DVRPC allocated both energy use and greenhouse gas emissions to individual counties and municipalities based on 2015 data. Please note that not all sectors were allocated to the municipal level, including aviation, freight rail, and intercity rail. The chart on page 20 of the [Methods and Sources document](#) indicates which sectors are allocated to the municipal level, and a general assessment of the quality of that allocation. This report gathers the municipally allocated energy usage, greenhouse gas emissions, and energy expenditure information for Upper Darby Township in an easy-to-read document intended to support local decision-making.

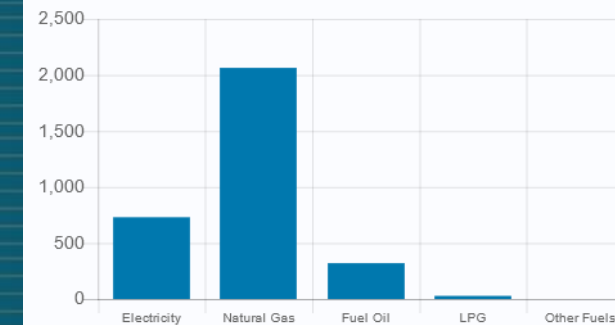


Residential Energy Usage and Emissions

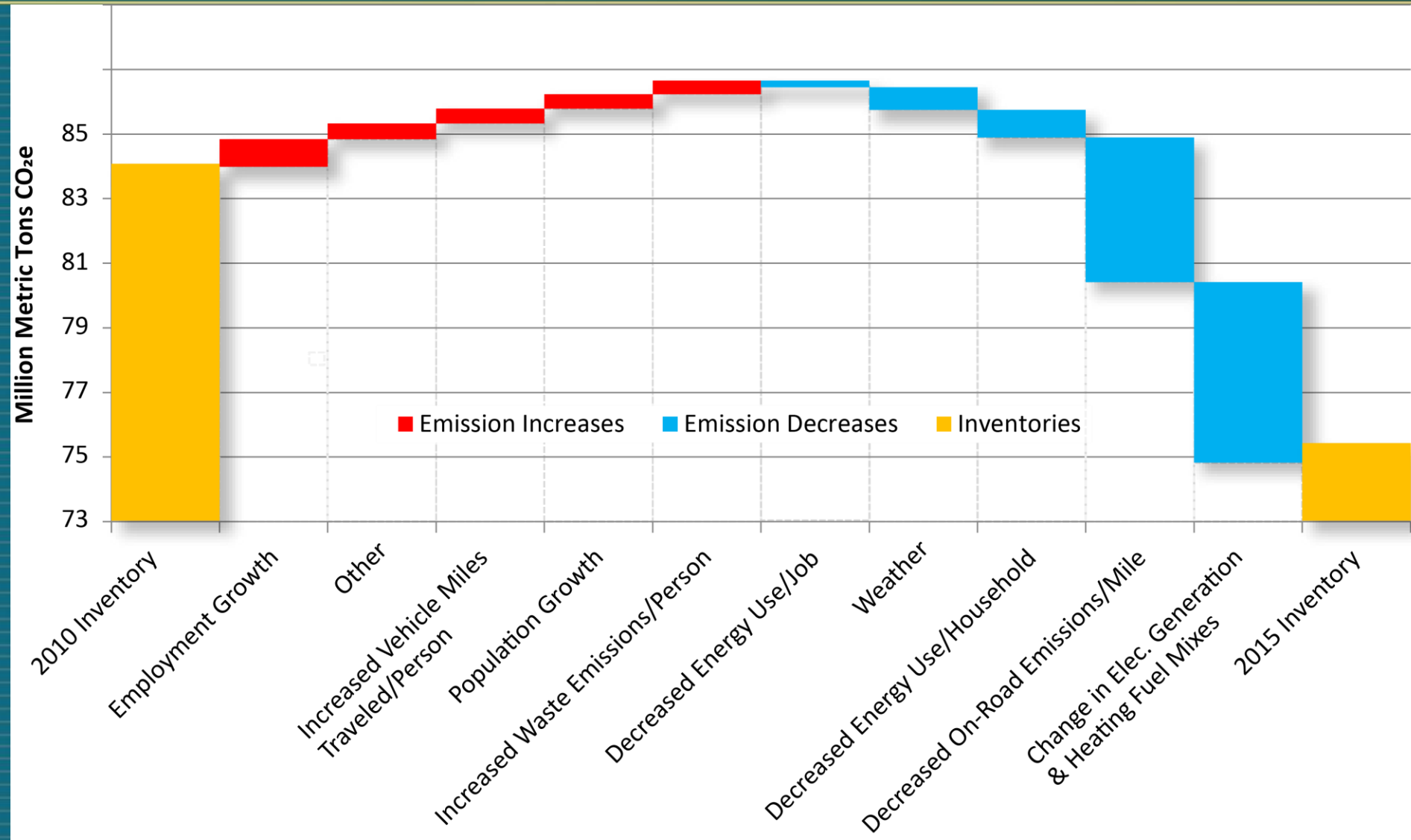
Natural gas provided the most energy for the residential sector in Upper Darby Township. The residential sector used a total of 19,700,000 CCFs or 2,060 BBTUs of natural gas. Natural gas is the largest source of Upper Darby Township's GHG emissions by the residential sector, accounting for 66% of total emissions. Of energy sources for which price data was available, electricity consumption accounted for 23% of total expenditures, costing users \$29,200,000.

Energy Use By Source

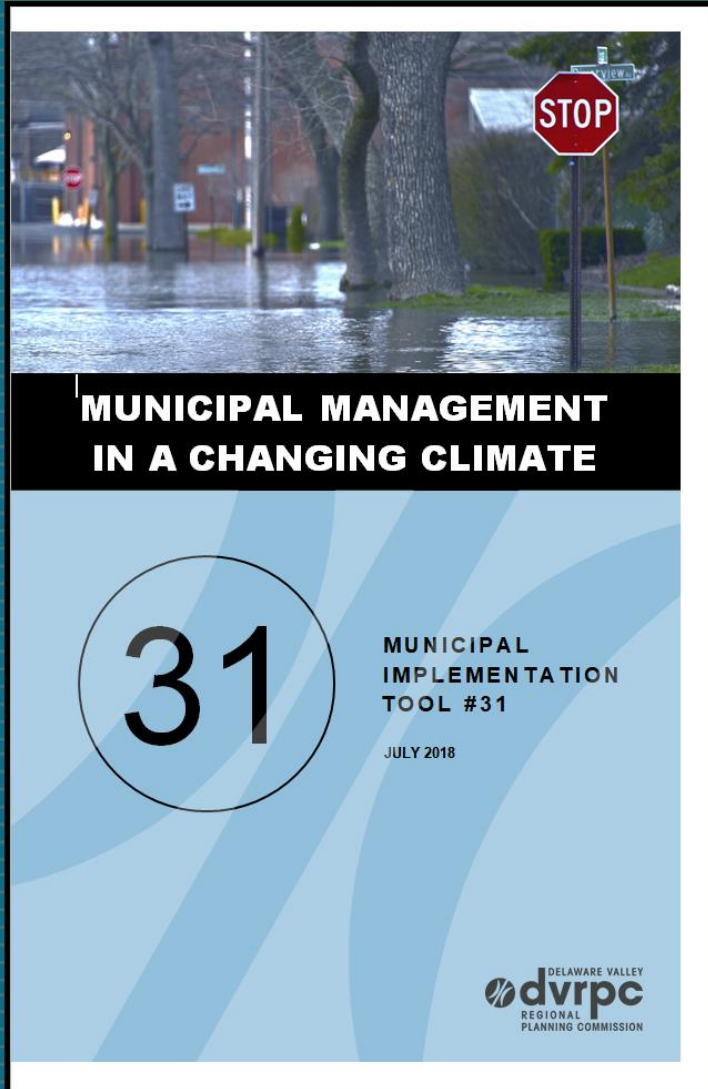
Energy Source	Energy Use (BBTUs)*	%
Electricity	730	23%
Natural Gas	2,063	66%
Fuel Oil	320	10%
LPG	28	1%
Other Fuels	0	<1%
Total	3,142	100%



GHG Emissions Change 2010-2015

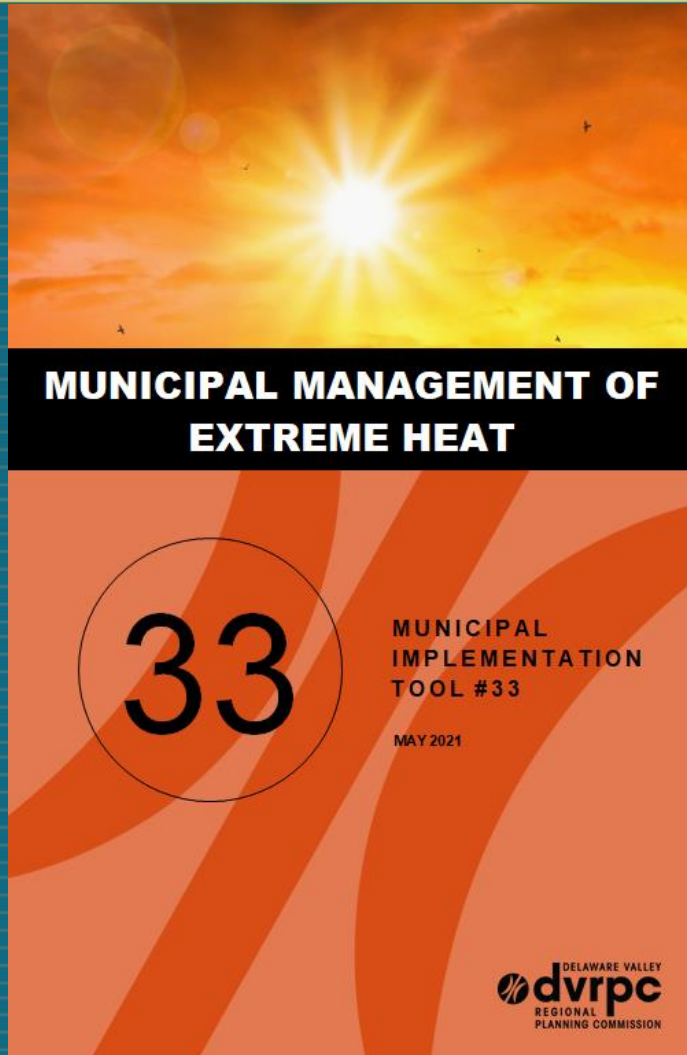


Resource: *Municipal Management in a Changing Climate*



- Overview of current and projected changes to the climate in Greater Philadelphia.
- How these changes are expected to affect the region.
- What operational changes municipalities might want to consider to best serve their residents and businesses in light of these changes.

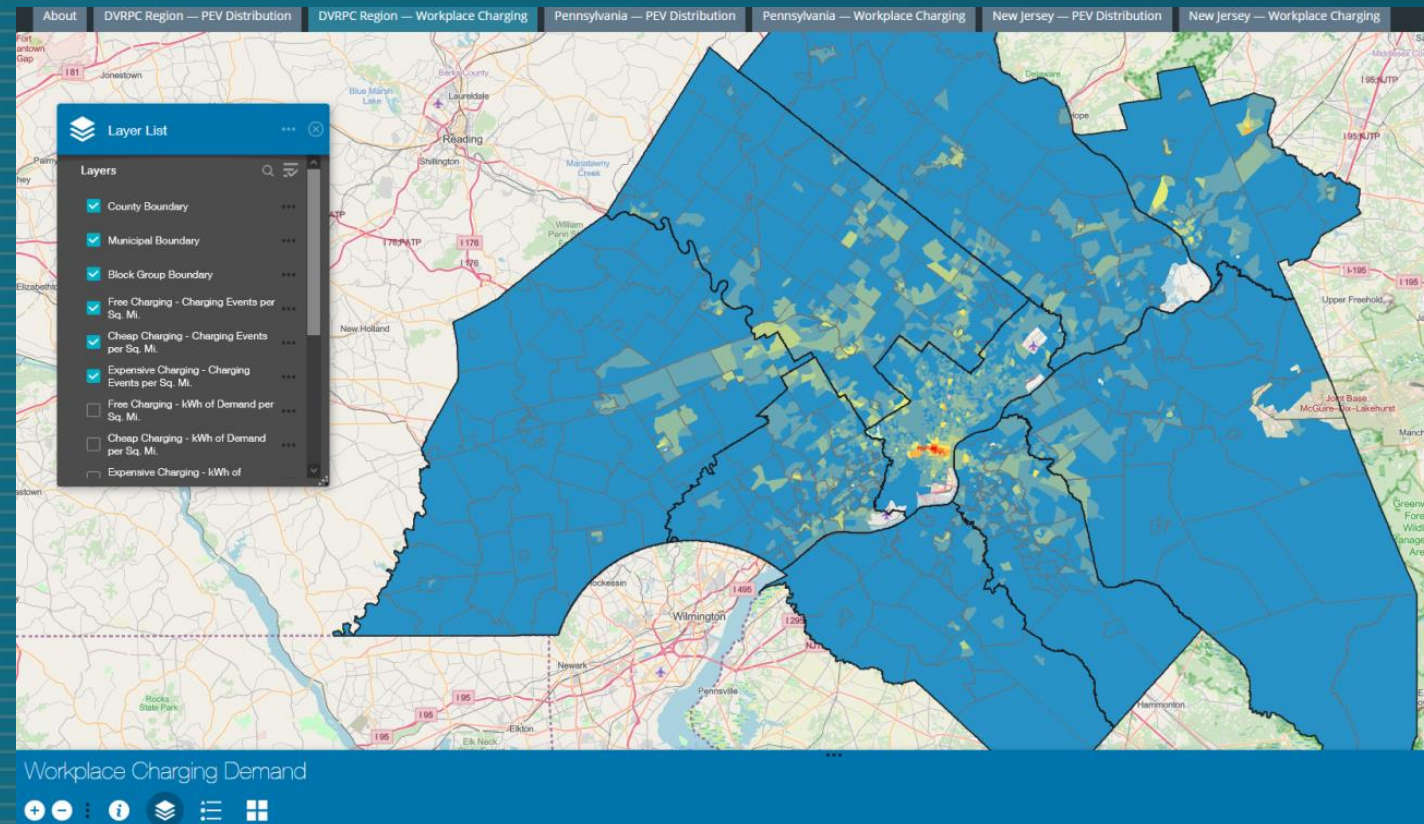
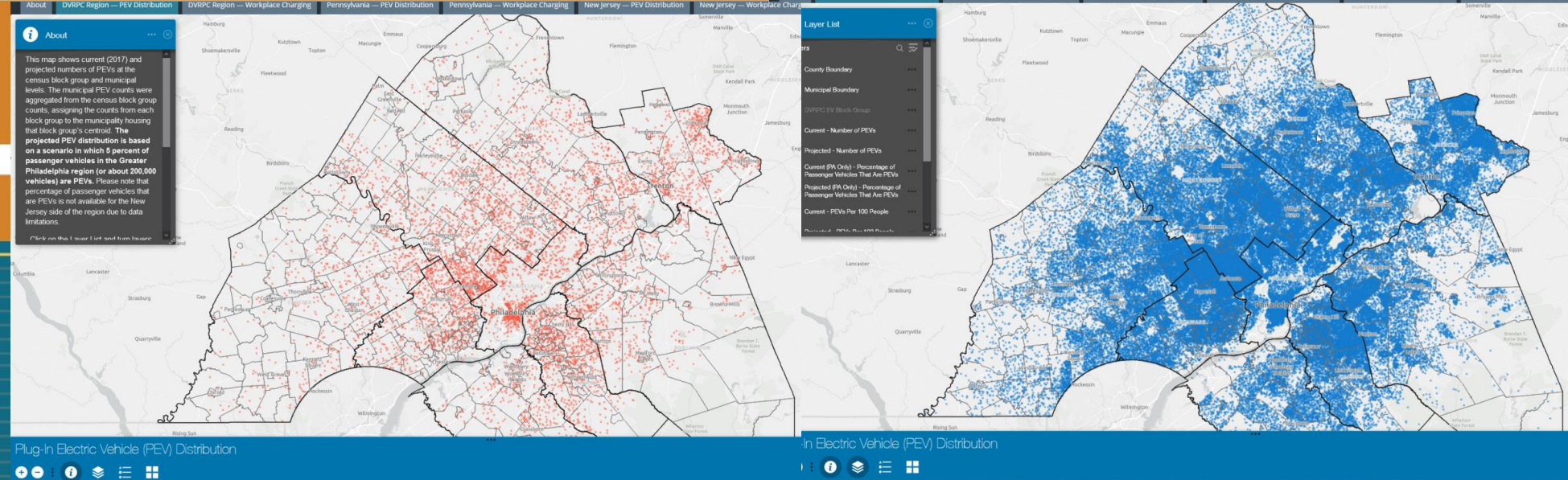
Resource: *Municipal Management of Extreme Heat*



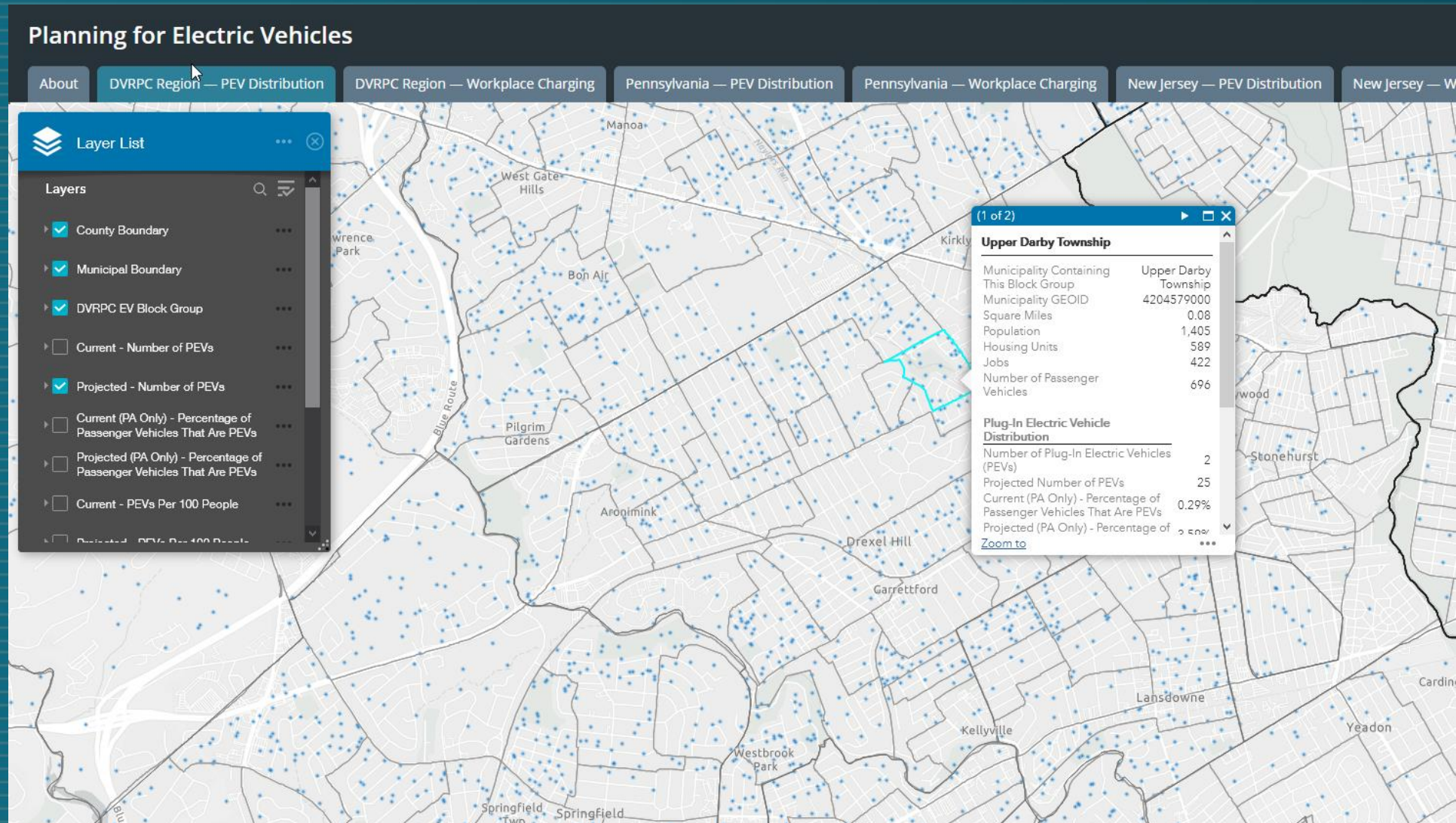
- ▶ An overview of extreme heat: what it is and why it happens.
- ▶ Expected impacts of extreme heat on populations and infrastructure.
- ▶ Recommendations for mitigating the urban heat island effect to reduce local temperatures.
- ▶ Maps show greater impact on vulnerable communities.
- ▶ Recommendations for preparing for and responding to extreme heat events.
- ▶ www.dvrpc.org/Products/MIT21011

EV Planning Toolkit

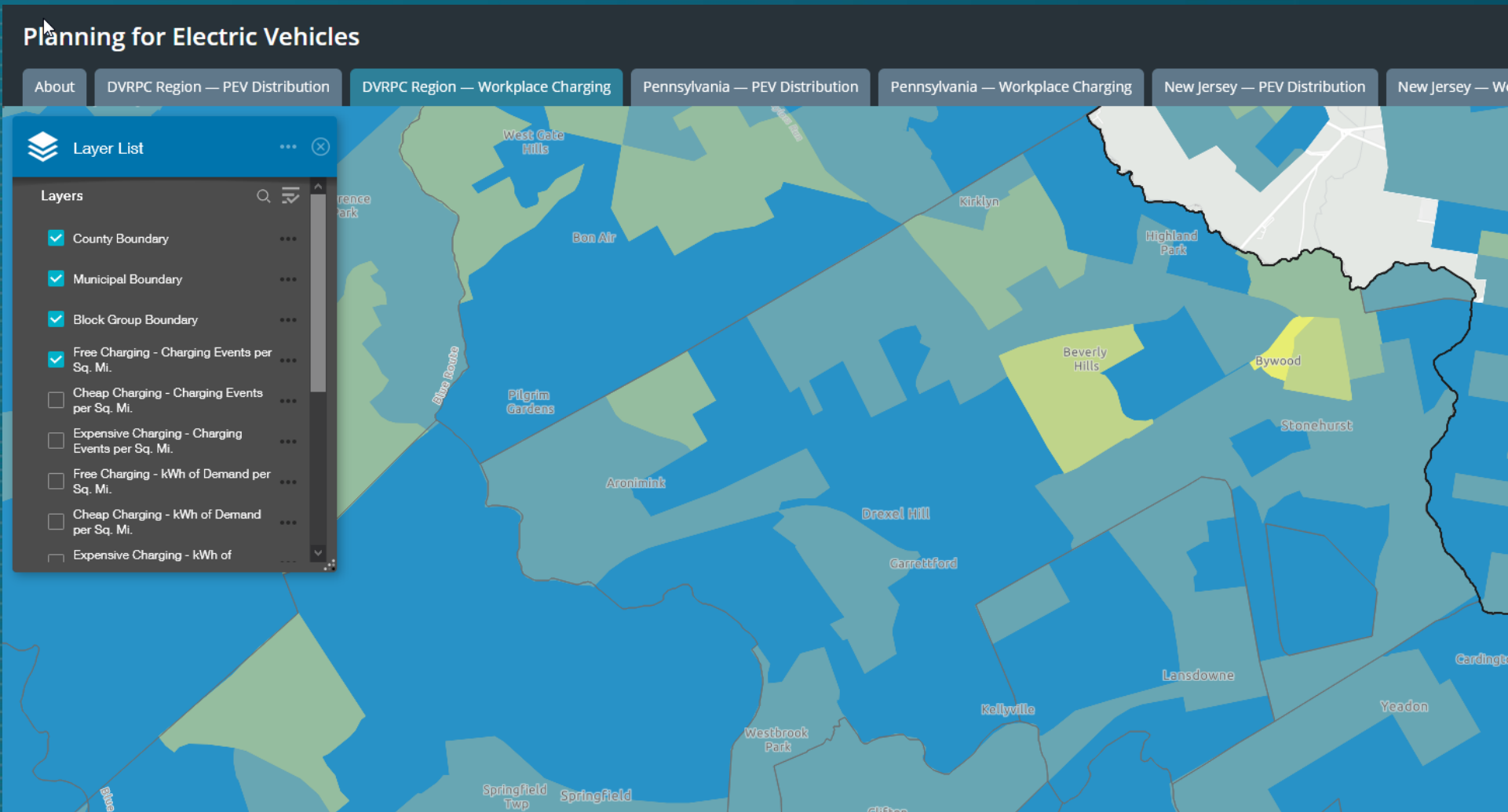




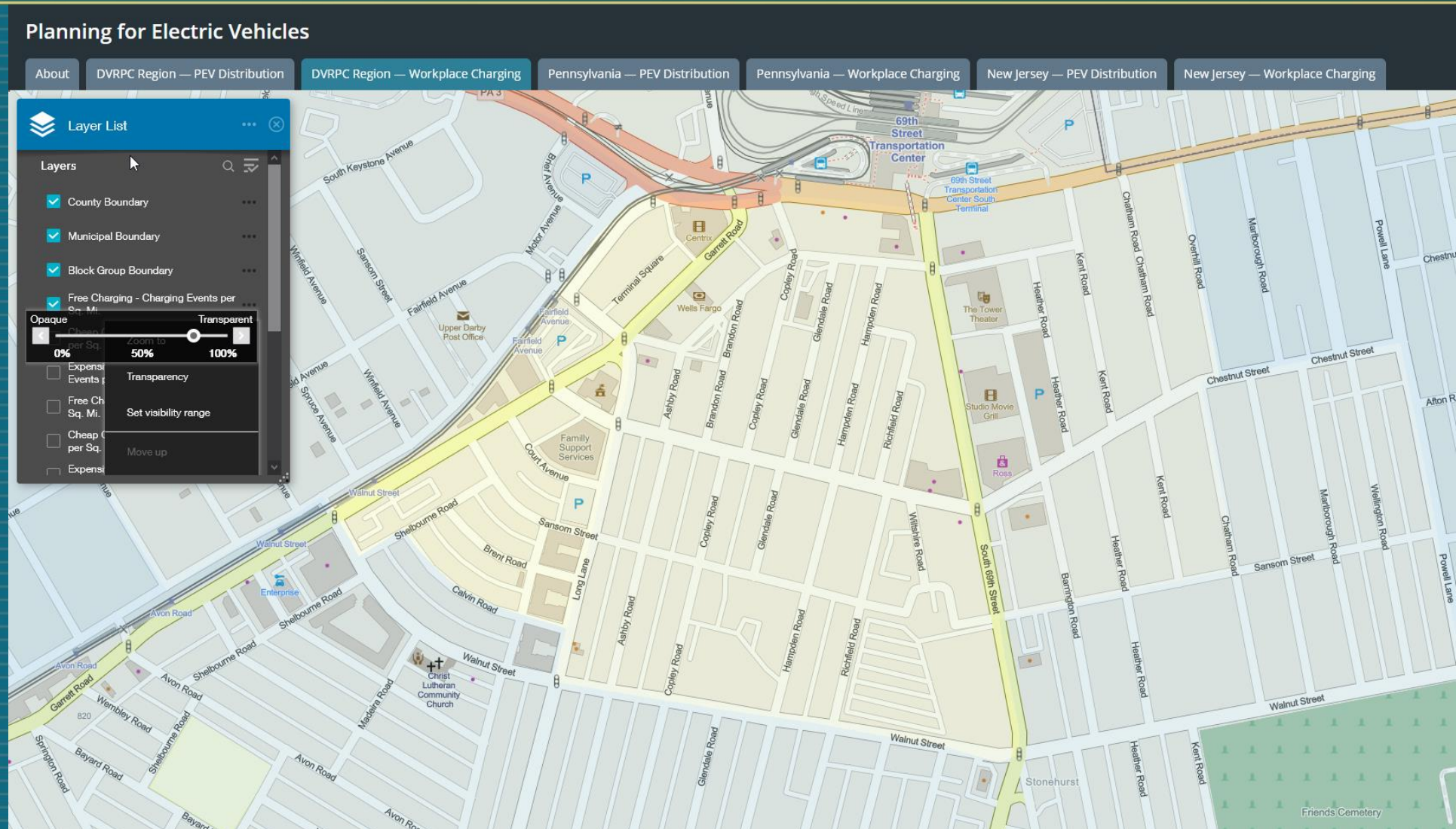
At the Block Group Level



At the Census BG Level



Can See Underlying Drivers





Electric Vehicle Resource Kit for Municipalities

Intended to help the user answer "What should my municipality do about electric vehicles?"

- ▶ Where are Electric Vehicles Now and Where Will they Be?
- ▶ EVs 101 — Introduction to Electric Vehicles
- ▶ Incorporating PEVs Into A Municipal Fleet
- ▶ Determining the First Vehicle to Replace with a PEV
- ▶ Selection and Placement of PEV Chargers
- ▶ Resources to Purchase PEVs and Charging Equipment
- ▶ Contacts For Assistance
- ▶ Municipal PEV and Charging Equipment Case Studies

www.dvrpc.org/EnergyClimate/AlternativeFuelVehicles/EVMuniResource



Technical Assistance

- ▶ Help with fleet analysis
- ▶ Advice on converting fleet to EVs
- ▶ Stay tuned for additional resources



Local Initiatives

Implementation-focused programs and technical assistance for county and local governments.

- Leverages pooled procurement and decision-making to achieve financial, technical and temporal expediency
- Regional consistency

1. Regional Streetlight Procurement Program (RSLPP)
2. SolSmart
3. Circuit Rider
4. Regional Power Purchase Agreement Partnership

Circuit Rider for Energy Efficiency in Local Government Operations

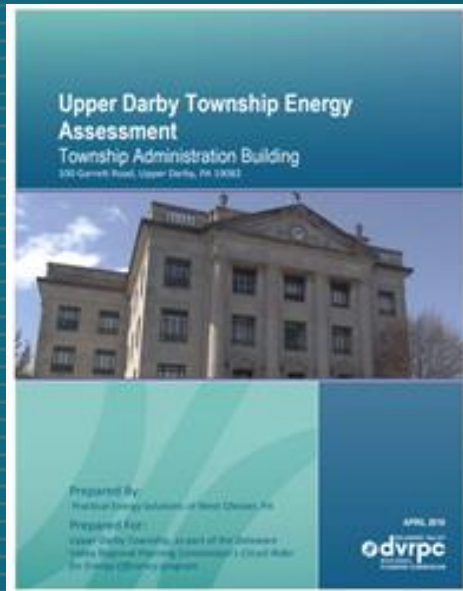


Table 1: Summary of Energy Conservation Measures

#	Measure Description	Annual Energy Savings	CO ₂ Savings [lbs]	Energy Cost Savings [\$ /yr]	Estimated Project Cost	Simple Payback [yrs]
1	Interior Storm Windows	17,712 kWh	68,247	\$8,430	\$111,000 [^]	13.2
		2,052 gal oil				
2	TRV/Steam Trap Renovation	2,247 gal oil	50,304	\$7,509	\$22,440*	3.0
3	Right-Size Steam Boiler	1,661 gal oil	37,181	\$5,550	\$34,102	6.1
4	Oil to Natural Gas Conversion	8,110 gal oil	53,739	\$13,317	**	-
		(10,561) ccf gas				
5	Programmable Thermostats	53,136 kWh	66,951	\$4,723	\$4,767	1.0
6	Air-Side Economizers	35,424 kWh	44,634	\$3,149	***	-
7	Lighting Upgrades	83,341 kWh	105,010	\$7,408	\$21,925****	3.0
TOTAL		189,613 kWh	426,067	\$50,086	\$194,234	3.9
		14,070 gal oil				

Notes: [^] Does not include cost to repair window frames. Qualified contractor evaluation/quotation recommended. ^{*}No labor costs due to installation by in-house staff. ^{**}Request contractor quotation for interior piping and a natural gas adequacy assessment from PECO to accurately quantify project costs. ^{***}Consult a mechanical contractor for estimates. ^{****} a qualified lighting contractor should be consulting before making changes to lighting. Savings based on current electricity prices. Savings will change as energy prices change.

Source: Practical Energy Solutions for DVRPC 2014

- Evaluation/prioritization of ECMs
- Talk with six municipalities who implemented, post-audit



SolSmart

- ▶ **Technical assistance to receive national designation**
- ▶ **Review solar in the zoning code and propose new language**
- ▶ **Can also provide:**
 - ▶ **Sample Permit and Inspection checklists**
 - ▶ **SolarAPP - online permit application tool**
 - ▶ **Sample new construction checklist**



Level of Traffic Stress & Connectivity



LTS 1

Relaxing, Suitable
for most riders



LTS 2

Comfortable for
most adults



LTS 3

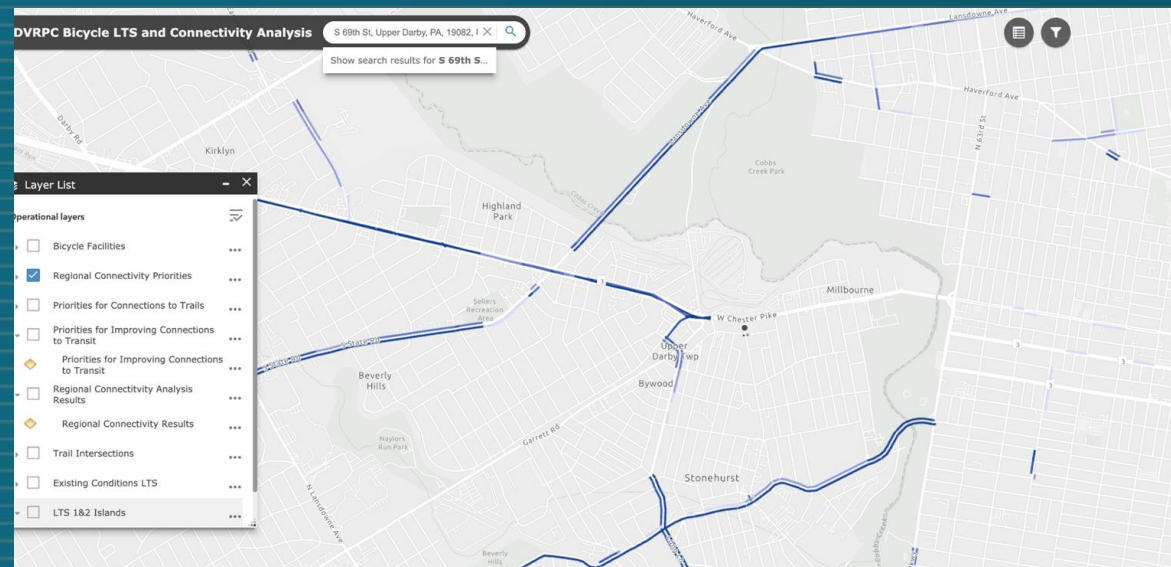
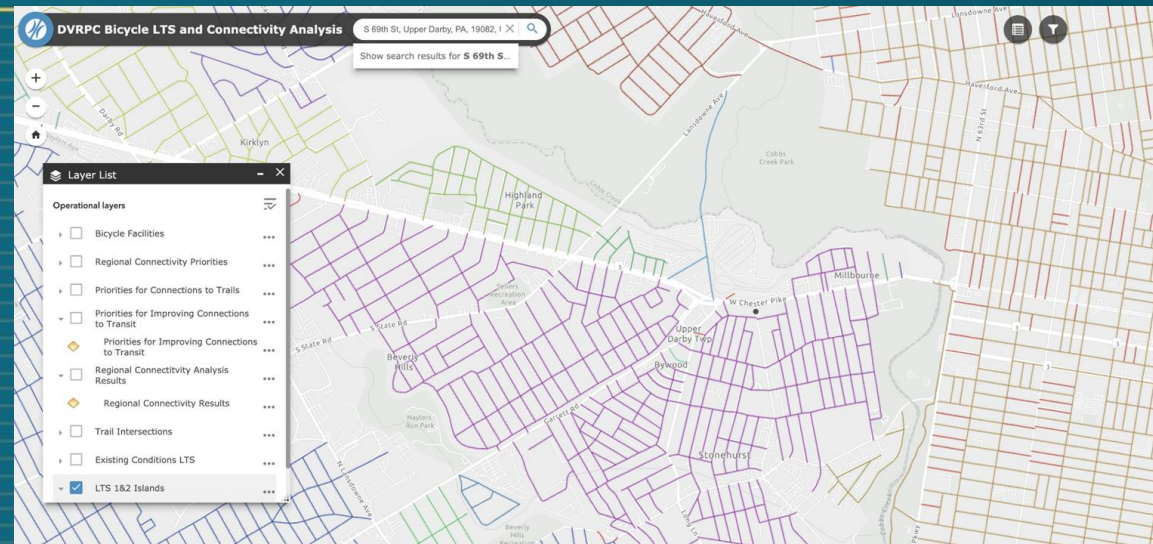
Comfortable for
confident bicyclists



LTS 4

Uncomfortable
for most

LTS & Regional Priorities





DVRPC Contacts

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What Can a County Sustainability Commission Do? Can DVRPC Help?

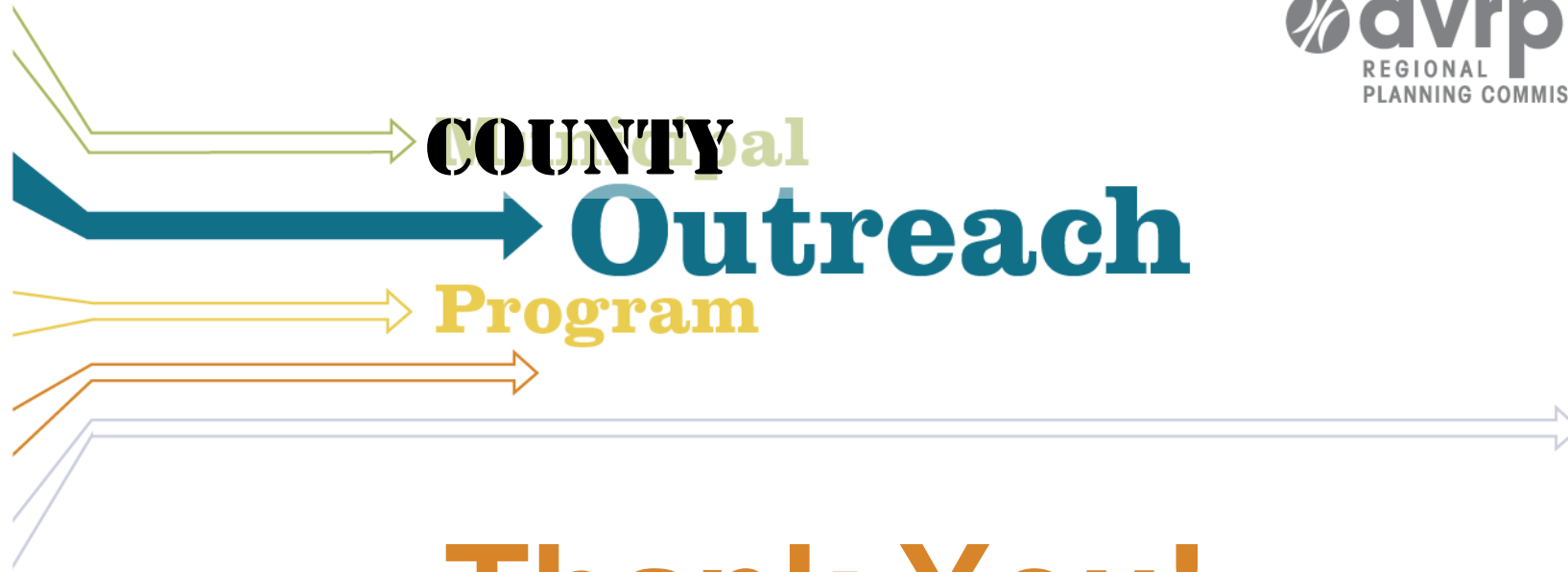
- ▶ **Local GHG reduction: no real impact on CC without global action.**
 - ▶ So: Work on this, but instead discuss other benefits: Lower costs, greater comfort, nicer neighborhoods, better cars, cleaner air, etc.
 - ▶ Focus on the big emissions sectors - - anything burning FFs:
 - ▶ Energy use in buildings (cleaner fuels [electricity!] + conservation + energy efficiency [air sealing, roof insulation])
 - ▶ Transportation (denser development, public transit, electric vehicles – especially freight)
 - ▶ Electricity generation (renewables/zero emissions, but make it for everyone)



What Can a County Sustainability Commission Do? Can DVRPC Help?

► Prepare. Prepare. Prepare.

- Plan buildings and roads for the climate for their useful life.
- Plant trees most likely to survive future climate conditions.



Thank You!

Greening County Operations Subcommittee

The Committee has finished drafting its Greening County Operations plan, which reflects what is currently being done by Delaware County Government to Green Operations and additional steps its needs to take to further Green its Operations in the future.

At this point the document the committee feels the document is ready for review by the full commission and a discussion should occur about what should be done with it in relation to Sustainability plan that is concurrently being written. The Plan should be reviewed periodically, and the success of the county government should be tracked as it relates to what has been drafted.

This subcommittee recommends that our work in this task be considered complete and its committee members should be reassigned to other tasks as the commission feel is needed.



Countywide Sustainability Plan Subcommittee

Discussion around taking subcommittee's work and placing it in framework to start some public outreach. Waiting for today's meeting to decide next steps.



Public Comment: GoGreenDelco@co.delaware.pa.us

Sustainability Planning Framework



Sustainability Manager Responsibilities

- Development and implementation of Sustainability Plan
- Outreach and engagement with Sustainability Commission, subcommittees, stakeholders, public, departments, etc.
- Assist with facilitating Commission and subcommittee meetings and update Commission website accordingly - “administrative backbone”
- Coordinate the research and analysis for the sustainability assessment, goal setting, and analysis and vetting of the measures
- Develop and maintain County’s sustainability-focused social media presence and website
- Monitor and report on implementation progress



5 Milestones for Sustainability Planning



*ICLEI Sustainability Planning Toolkit:
A Comprehensive Guide to Help Cities and
Counties Develop a Sustainability Plan*

Milestone 1: Conduct a Sustainability Assessment

- Begin to define scope and guiding principles and gather/analyze data
- Inventory existing sustainability measures and GHG emissions
- Solicit ideas from the public and key stakeholders

Milestone 2: Establish Sustainability Goals

- Define clear, relevant and measurable goals that address the key issues
- Brainstorm possible strategies to meet the goals
- Solicit ideas from the public for sustainability goals
- Announce your goals to the public

Milestone 3: Develop a Local Sustainability Plan

- Develop and prioritize measures with implementation plans
- Prepare for and conduct the public outreach process with a draft plan
- Release a second draft plan for public comment
- Finalize and release plan

Milestone 4: Implement Policies and Measures

- Implement the sustainability plan and track implementation progress.

Milestone 5: Evaluate Progress and Report Results

- Report on the implementation progress of the sustainability plan.

Equity/Inclusion Principles of Practice

- Make impacted communities, which are continuing to lead equity and building work nationwide, central to planning and projects.
- Build stronger policies by actively centering equity.
- Understand the people ('the who') of sustainability in the County.
- Collaborate across departments and disciplines to produce policies and programs that better address equity issues.
- Address root causes.
- Prioritize reparations over reducing additional harm for deeper healing and better outcomes.
- Shift funding and financing structures to directly support increased capacity in impacted communities.
- Share data and information transparently.
- Orient work and goals around shifting power and self-determination.
- Prioritize making economic opportunities work for marginalized communities.
- Lay a foundation of equitable decision-making processes and transparent accountability measures.
- Tie success directly to equity.

Building equity into our plan needs a much more in-depth process to develop goals!

2020 Census

White 66%
Black 22%
Asian 6%
Hispanic 4%
Bi-racial 2%

Sustainability Manager

- Coordinate planning process
- Manage writing the plan
- Coordinate implementation

Sustainability Commission

- Provide strategic guidance on the scope and goals
- Review findings of the assessment
- Provide input on strategies
- Gather data for the assessment and best practices
- Provide input and feedback on strategies and measures

Internal Interdepartmental Team

- Gather and analyse data for assessment
- Analyze existing programs or measures
- Research best practices
- Analyze and vet strategies and measures for the plan
- Manage implementation of relevant measures

Sustainability Plan

Subject Matter Experts

- Define high priority issues
- Analyze issues and strategies as needed

General Public

- Participate in public meetings

Community Stakeholder Groups

- Brainstorm high priority issues
- Brainstorm strategies via public
- Assist with public engagement



Vision

A Sustainable Delaware County is one in which all people have access to quality, energy efficient, and resilient infrastructure and community assets that are powered with renewable energy in connected and safe neighborhoods; quality medical care and locally sourced healthy foods are affordable and accessible to all; a high quality education is available for lifelong learning and helps all access good, well-paying jobs; natural and human systems are deeply connected and thrive; and the benefits of a more sustainable future are centered on the needs of those historically most vulnerable and marginalized in our communities.



SPECIFIC

Be clear and specific so your goals are easier to achieve. This also helps you know how and where to get started!



MEASURABLE

Measurable goals can be tracked, allowing you to see your progress. They also tell you when a goal is complete.



ACTIONABLE

Are you able to take action to achieve the goal? Actionable goals ensure the steps to get there are within your control.



REALISTIC

Avoid overwhelm and unnecessary stress and frustration by making the goal realistic.



TIMEBOUND

A date helps us stay focused and motivated, inspiring us and providing something to work towards.

Sustainability Plan Framework Example 1

Goal	Baseline	Target	Actions
<i>Protect, restore, and expand land ecosystems</i>	<i>350 acres</i>	<i>By 2032, restore, protect, create, or improve 2,000 acres of critical land habitat</i>	<i>Build and support local commercial and residential renewable energy projects</i>
<i>Increase the proportion of energy sourced from both clean and renewable sources</i>	<i>1.5%</i>	<i>By 2032, increase renewable energy to make up 50% of the County's energy supply</i>	<i>Build and support local commercial and residential renewable energy projects</i>
<i>Provide residents with resources to achieve healthy, active lifestyles, regardless of income, ability, employment, or neighborhood</i>	<i>57%</i>	<i>By 2032, 65% of residents get at least 150 minutes per week of physical activity</i>	<i>Collect data at parks and recreation centers, particularly in areas of low-use and low income, to improve planning and programming decisions</i>

Sustainability Plan Framework Example 2

- Reduce Energy consumption in County buildings and operations
- Increase the use of clean, renewable energy to power County operations
- Promote policies and programs that improve energy efficiency in residential and commercial buildings

Metric	Baseline	2030 Target	2050 Target
Total energy consumption (MMBtu) from County facilities	570,897 MMBtu (2019)	20% reduction	40% reduction
Building energy intensity (kBtu/sq ft)	207 kBtu/sq ft	25% reduction (155.25 kBtu/sq ft)	50% reduction (103.5 kBtu/sq ft)
GHG emissions from County energy consumption	67,953 MtCO ₂ e (2019)	50% reduction	Zero emissions
On-site renewable energy generation	341 kW	Upward Trend	
% of County facilities meeting energy efficient/green building standards	New Metric	Upward Trend	100%

Example from Greening County Operations Subcommittee

Transportation

Goal	Baseline	Target	Actions
Reduce fossil-fuel use in fleet vehicles	Need to establish baseline by assessing number and type of vehicles in fleet; (2021) 15 EVs purchased,	# of vehicles converted to electric by “date”	Action 1: Work with DVRPC and Vehicle Electrification Coalition to prioritize vehicle conversion. Apply for additional AFIG grant funding.
	3 fast-charging EV stations installed	# of EV charging stations installed compared to # of EVs	Action 2: Install EV chargers at fleet storage and other County office locations.

Example from Greening County Operations Subcommittee

Energy

Goal	Baseline	Target	Actions
Reduce energy use in County-owned and -leased buildings	Need to assess current energy usage through Energy Star Portfolio Manager	X% reduction in Site EUI by “date”	Action 1: Using FCNA and ASHRAE Levels 2 energy audits, create 10-year plan to implement capital projects and address deferred maintenance that affects energy usage Action 2: Create continuous retro-commissioning plan and train building operators in best practice O&M skills Action 3: Examine and update preventive maintenance program
Increase percentage of source energy provided by renewable sources	Need to assess if any county-owned solar exists and at what KW	X% of county buildings energy usage is provided by on-site renewable sources	Action 1: Assess available roof and land space and develop plan for implementation
Increase sources of renewable energy through energy purchasing	Need to assess what % is provided through current contract	X% of county building energy use is offset by off-site sources	Action 1: Review energy purchasing contract annually to increase opportunities for renewable sources

Example from Greening County Operations Subcommittee

Waste Management

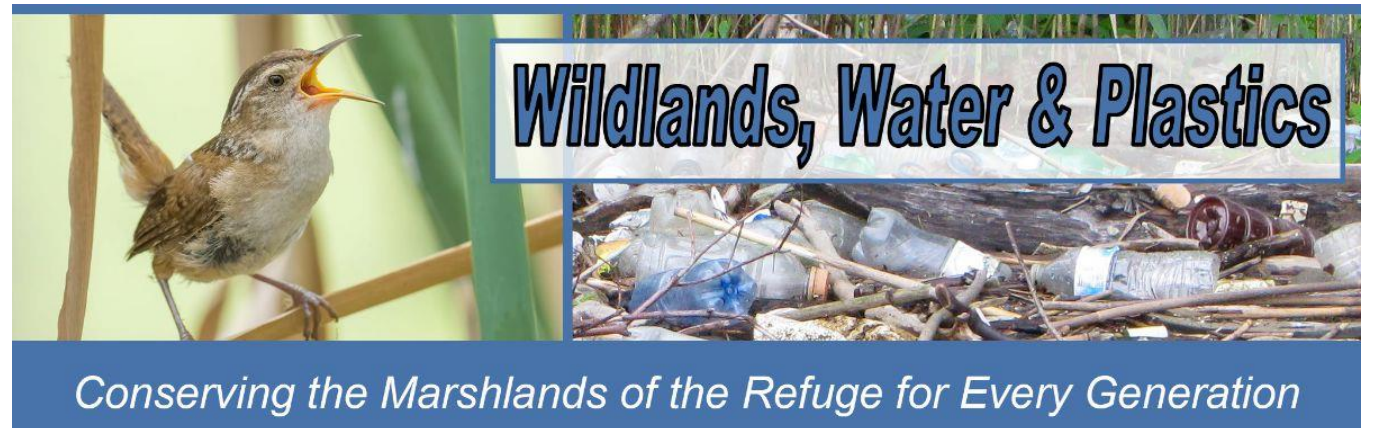
Goal	Baseline	Target	Actions
Increase percentage of materials purchased with recycled content	?	?	? (example: park benches)
Reduce the amount of waste produced through better purchasing policies	Do we have a green procurement policy? What is the total tonnage of waste removed from our bldgs (answered by the waste audit)	X% reduction in total amount of waste generated in County-owned facilities	Action 1: Develop green procurement policy Action 2: examine outsourcing contracts for opportunities to require greener purchasing practices
Improve the ability to reuse County-owned assets and supplies	Do we have a central storage for furniture or office supplies? Central purchasing or decentralized?	# of supply exchange events per year	Action 1: Develop office supply exchange program; do we offer resale of assets or furniture to the public?
Increase waste diversion at County-owned facilities	Perform waste audit to see what recycling and/or composting rates we have now	X% improvement in waste diversion rate; 90% (zero waste) by "date"	Action 1: Develop recycling plan and educate occupants Action 2: Investigate options for composting in buildings

Assessment: Existing Conditions

- Assess and benchmark current status of County operations and other Countywide efforts
- Public Outreach on high-level goals:
 - Survey General Public
 - Survey Municipalities for programs and policies
 - Survey County employees for input on high-level goals (might be in-person focus groups)
- Review existing County/Regional/State plans

Public Outreach Example on Goal Refinement

- Friends of Heinz Refuge approached the County
- Expressed urgent problem with trash floating down watersheds and collecting on creek banks and Tinicum Marsh
- Using this existing issue, how could we refine the waste management goals and actions to tackle this problem?



Assessment: Review Existing Plans

- Delaware County 2035
 - Land Use Framework (2013)
 - Economic Development Plan (2017)
 - Open Space, Recreation, and Greenway Plan (2015)
 - Historic Preservation Plan (2018)
 - Housing Plan (2018)
 - Transportation Plan (2017)
- 2020 Heat Plan
- Hazard Mitigation Plan (2016)
- Capital Improvement Plan
- HCD Consolidated Plan (2018-2022)
- Pennsylvania
 - PA Climate Action Plan
 - PA Climate Impacts Assessment
 - Land Recycling Program
 - Natural Heritage Inventory

Delco 2035 Planning Process

“The County’s powers are limited to suggesting refinements to local actions that reflect the goals and objectives of Delaware County 2035, thereby promoting the countywide interests. Local documents such as an official map, a zoning ordinance, and a CIP are the legally enforceable measures that support and implement municipal comprehensive plans. This, in turn, assists in the implementation of the policies of Delaware County 2035.”



Open Space Plan Goals (2015)

Goal 1: **Conserve**

Conserve the natural and cultural resources of the County

Goal 2: **Enhance**

Increase and enhance the environmental and/or recreational value of developed and undeveloped lands

Goal 3: **Connect**

Develop a greenway network that connects natural features and people to community and regional destinations



Open Space Plan Coordination (2015)

COUNTY

- Technical assistance
- Special purpose studies
- Coordinate open space, recreation, and greenways development
- Natural resource protection guidance
- Open space protection tools
- Education and community engagement

MUNICIPALITIES

- Land use planning and regulations
- Special purpose studies
- Open space, recreation, and greenways development and management
- Land preservation and stewardship
- Education and community engagement

PARTNERS

Organizations and Institutions

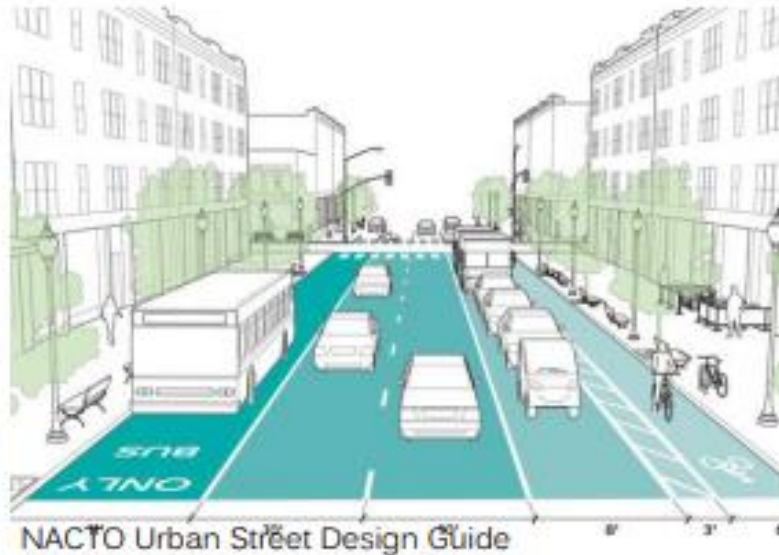
- Work with the County and municipalities to provide and maintain open space
- Community outreach

The Public

- Provide input on open space planning and implementation efforts
- Volunteer with recreation clubs, friends of groups, and other organizations

Transportation Plan – Complete Streets (2017)

A Complete Street is a multimodal transportation policy that aims to accommodate all users on roadways, whether those users are driving, bicycling, walking, or taking public transportation. This is accomplished by prioritizing the design and planning processes for providing transportation infrastructure such as enhanced crosswalks and sidewalks, bike lanes, streetscaping and furniture, and appropriately sized roads in ways that optimize accessibility and mobility instead of building infrastructure that supports a singular mode.

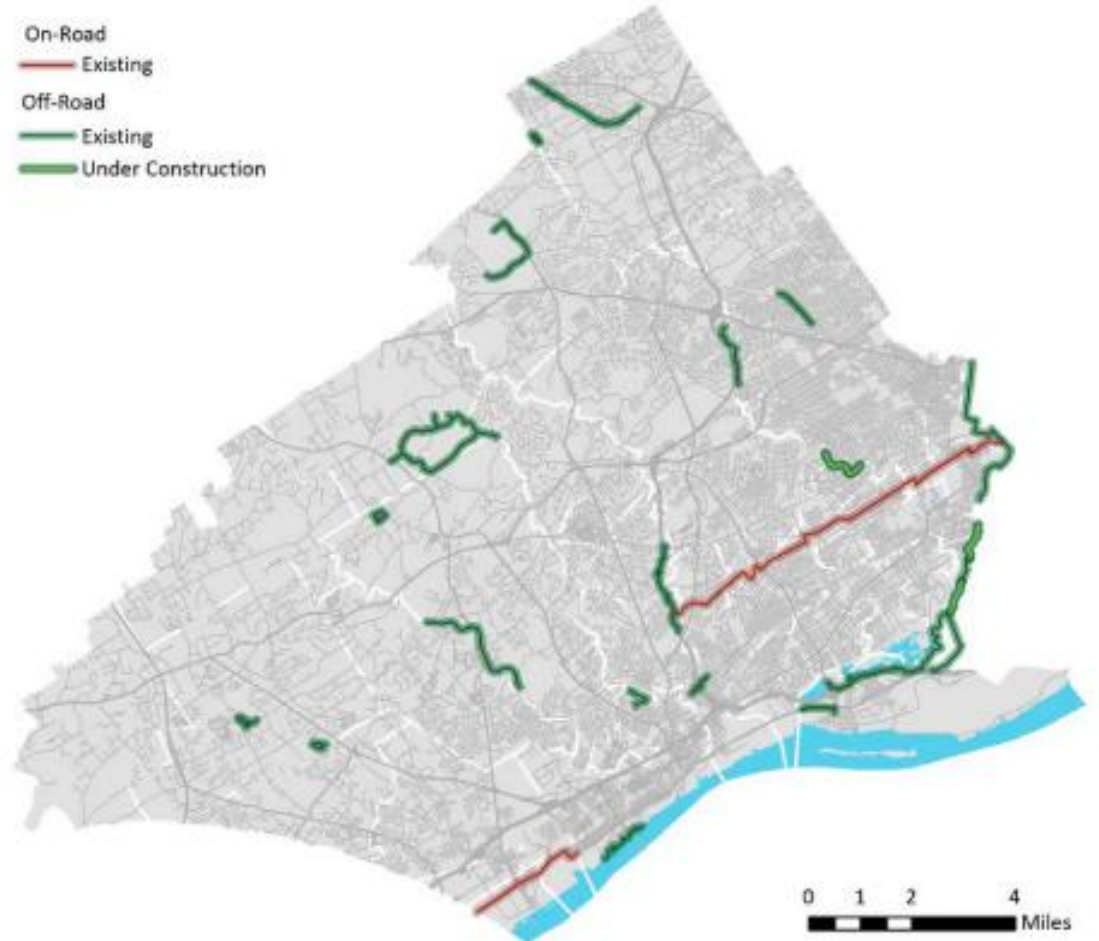


Transportation Plan – Bicycle Network (2009)

Map 4-6: Delaware County Bicycle Network



Map 4-4: Existing On-road and Off-road Bicycle-friendly Routes



Next Steps



- Working session on refinement of high-level goals? Or can we do it by a shared doc and email due to vacation schedules?
- Perform assessments and initial outreach based on high-level goals (led by Sharon with help from County Departments and Commission)
 - Assess and benchmark current status of County operations and other Countywide efforts
 - Review existing plans
 - Surveys & focus groups
- Discuss equity statement/goal for sust. plan
- Based on assessments, turn high-level goals into SMART goals with metrics and targets

Communications Update

- New Social Media

Twitter: [@SustainDelCo](https://twitter.com/SustainDelCo)

Facebook: [Delaware County Sustainability | Facebook](https://www.facebook.com/DelawareCountySustainability)

Instagram: https://instagram.com/sustain_delco

- Building a master stakeholder engagement list (associations, EACs, non-profits, etc.) – email suggestions to Sharon:
jayes@co.Delaware.pa.us



Check for Public Comment: GoGreenDelco@co.delaware.pa.us

Next Meeting

August 19 at 6:00pm

~~Working Group Session?~~



Public Comment: GoGreenDelco@co.delaware.pa.us

Other Business/Announcements



Public Comment: GoGreenDelco@co.delaware.pa.us